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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/575,210	04/10/2006	Mui Cheung	PR60538USW	6886	
23347 GLAXOSMIT	7590 03/31/200 HKLINE	EXAM	EXAMINER		
CORPORATE INTELLECTUAL PROPERTY, MAI B475 FIVE MOORE DR., PO BOX 13398 RESEARCH TRIANGLE PARK. NC 27709-3398			STOCKTON, L	STOCKTON, LAURA LYNNE	
			ART UNIT	PAPER NUMBER	
	,	1626			
			NOTIFICATION DATE	DELIVERY MODE	
			03/31/2008	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

USCIPRTP@GSK.COM JULIE.D.MCFALLS@GSK.COM LAURA.M.MCCULLEN@GSK.COM

Application No. Applicant(s) 10/575,210 CHEUNG ET AL. Office Action Summary Examiner Art Unit Laura L. Stockton, Ph.D. 1626 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on April 10, 2006. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-8 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement.

9) The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).				
a)∏ All	b) Some * c) None of:			
1.	Certified copies of the priority documents have been received.			
2.	Certified copies of the priority documents have been received in Application No.			

Copies of the certified copies of the priority documents have been received in this National Stage

application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attac	******	ent	(3

	Notice of References		
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Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Information Disclosure Statement(s) (FTO/S5/08)
 Paper No(s)/Mail Date See Continuation Sheet.

6) Other: _

Part of Paper No./Mail Date 0308

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :April 10, 2006 and January 28, 2008.

Art Unit: 1626

DETAILED ACTION

Claims 1-8 are pending in the application.

Information Disclosure Statement

The Examiner has considered the Information

Disclosure Statements filed on April 10, 2006 and

January 28, 2008.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, the phrase "physiologically functional derivative" makes the claim indefinite because the metes and bounds of the claim can not be ascertained. See claims 7 and 8 for same. It is suggested that the phrase be deleted from the claims.

In claim 1, under the definition of Het, there is a valence problem when a heteroaryl is substituted with an oxo.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

⁽a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Application/Control Number: 10/575,210
Art Unit: 1626

Claims 1 and 5-8 are rejected under 35
U.S.C. 103(a) as being unpatentable over Corral et al.

{Journal of Heterocyclic Chemistry (1987), 24(5), pages
1301-1303}, Corral et al. {ES 8701172} and Andrews, III
et al. {WO 2004/014899}, each taken alone or in
combination with each other.

Determination of the scope and content of the prior art (MPEP \$2141.01)

Applicant claims a process of making thiophene-benzimidazole compounds. Corral et al. '1301 (see entire document; particularly Scheme 1 on page 1301; and especially the last two compounds in the Table on page 1302 and Method B on page 1303), Corral '172 (see entire document; particularly the abstract; and especially Compounds 12 and 13 on page 5) and Andrews, III et al. (see entire document; especially pages 48-52) each teach a process of making thiophene-benzimidazole compounds.

Application/Control Number: 10/575,210
Art Unit: 1626

Ascertainment of the difference between the prior art and the claims (MPEP \$2141.02)

The difference between the processes of the prior art and the process instantly claimed is the difference of equivalents of reactants used in the process.

However, the optimization of variables, such as pH and molar ratios, in a known process is prima facie obvious. In re Boesch, 205 USPQ 215 (1980).

Finding of prima facie obviousness--rational and motivation (MPEP §2142-2413)

One skilled in the art would thus be motivated to prepare thiophene-benzimidazole compounds by the processes taught in the prior art to arrive at the instant claimed process with the expectation of obtaining thiophene-benzimidazole compounds. Since each of the Corral et al. references and Andrews, III et al. teach similar processes to each other, the combination of the prior art references would also teach the instant claimed invention. The instant

Application/Control Number: 10/575,210
Art Unit: 1626

claimed invention would have been suggested to one skilled in the art and therefore, the instant claimed invention would have been obvious to one skilled in the art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura L. Stockton whose telephone number is (571) 272-0710. The examiner can normally be reached on Monday-Friday from 6:15 am to 2:45 pm. If the examiner is out of the Office, the examiner's supervisor, Joseph McKane, can be reached on (571) 272-0699.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/575,210 Page 7

Art Unit: 1626

The Official fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

/Laura L. Stockton/ Laura L. Stockton, Ph.D. Primary Examiner, Art Unit 1626 Work Group 1620 Technology Center 1600

March 27, 2008